

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : SP-00544 ~ SR2MRX-XT10LE1-XD2FXXK-XNMWNL.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] SP-00544\_M-10L  
 [TESTLAB] VLS-245-981  
 [MANUFAC] Spectrum Lighting  
 [ISSUEDATE] 12/28/2016  
 [UPDATE] 4/19/2017  
 [LUMCAT] SR2MRx-XT10L-E1-xD2F-xxK-XN-MW-NL  
 [LUMINAIRE] Nom. 2" Round or Square Trim Downlight, Xtra Narrow Beam  
 [OTHER] Matte White Trim, No lens  
 [OTHER] 14.4 Degree Beam Angle  
 [LAMP] N/A  
 [LAMPCAT] N/A, Min. 83 CRI  
 [OTHER] Total Luminaire Watts is approximate  
 [OTHER] For New Construction Non-IC Housing: SR2MO-XT-series  
 [OTHER] For New Construction IC Rated Housing: SR2MI-XT-Series  
 [OTHER] For Remodel/Retrofit Housing: SR2MR-XT-Series  
 [OTHER] For RD2F or SD2F Downlight Trim  
 [OTHER] LEDXT lumen output is the same for all available CCT's  
 [OTHER] This report prepared by Spectrum Lighting, scaled from 13L

**CHARACTERISTICS**

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	908
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	14.8
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.26
Spacing Criterion (90-270)	0.28
Spacing Criterion (Diagonal)	0.26
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.24 ft (Diameter)
Luminous Height	0.00 ft

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00544 ~ SR2MRX-XT10LE1-XD2FXXK-XNMWNL.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	4587	5388	4747
55	7539	7721	7439
65	4138	4148	4002
75	2711	2507	1745
85	2461	2301	3601

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : SP-00544 ~ SR2MRX-XT10LE1-XD2FXXK-XNMWNL.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	6273.424	6273.424	6273.424	6273.424	6273.424
<b>5</b>	4506.426	4610.195	4713.964	4706.312	4698.659
<b>10</b>	1413.195	1561.432	1709.670	1683.900	1658.130
<b>15</b>	591.762	575.704	559.645	561.628	563.610
<b>20</b>	436.455	438.992	441.528	440.342	439.155
<b>25</b>	417.306	417.690	418.074	417.331	416.588
<b>30</b>	376.224	369.653	363.080	359.542	356.003
<b>35</b>	191.889	177.679	163.469	158.222	152.975
<b>40</b>	36.696	34.033	31.370	29.936	28.502
<b>45</b>	13.081	14.224	15.366	14.452	13.537
<b>50</b>	12.727	12.925	13.123	14.184	15.245
<b>55</b>	17.440	17.651	17.862	17.535	17.209
<b>60</b>	15.536	13.618	11.700	12.451	13.203
<b>65</b>	7.054	7.062	7.070	6.946	6.822
<b>70</b>	4.478	4.256	4.034	4.766	5.498
<b>75</b>	2.830	2.723	2.617	2.219	1.822
<b>80</b>	1.256	0.877	0.497	0.624	0.750
<b>85</b>	0.865	0.837	0.809	1.038	1.266
<b>90</b>	0.000	0.000	0.000	0.000	0.000

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Zone	Lumens	%Lamp	%Fixt
0-20	568.46	N.A.	62.60
0-30	757.34	N.A.	83.40
0-40	869.12	N.A.	95.70
0-60	897.18	N.A.	98.80
0-80	907.66	N.A.	99.90
0-90	908.37	N.A.	100.00
10-90	553.00	N.A.	60.90
20-40	300.66	N.A.	33.10
20-50	314.87	N.A.	34.70
40-70	35.85	N.A.	3.90
60-80	10.47	N.A.	1.20
70-80	2.69	N.A.	0.30
80-90	0.72	N.A.	0.10
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	908.37	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	355.37
10-20	213.09
20-30	188.88
30-40	111.78
40-50	14.21
50-60	13.85
60-70	7.79
70-80	2.69
80-90	0.72
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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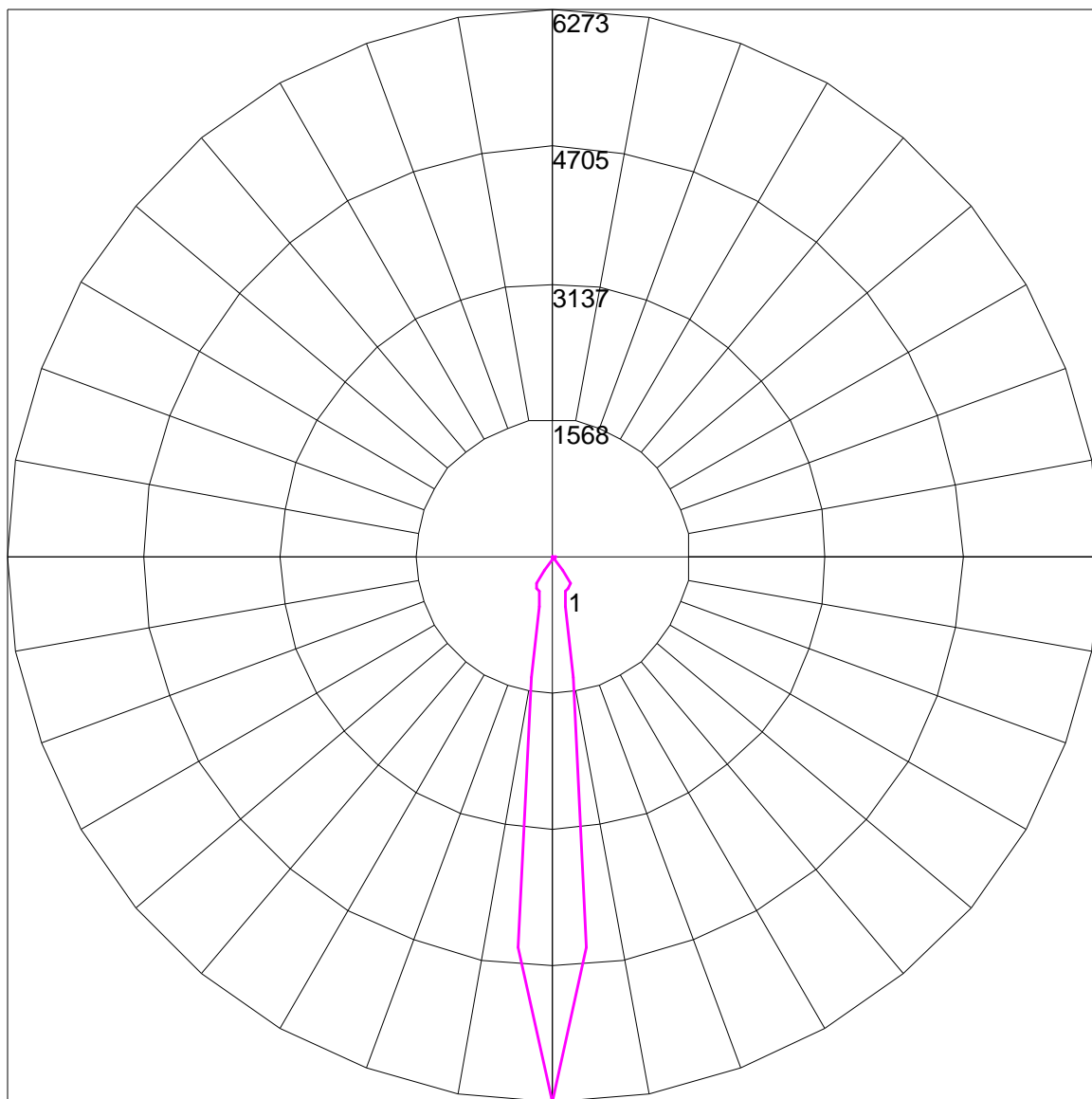
## COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	91	95	92	90	93	90	89	87
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84
5	99	92	88	84	97	91	87	84	90	86	83	88	85	82	87	84	82	80
6	95	88	84	80	94	88	83	80	86	82	80	85	82	79	84	81	79	77
7	92	85	80	77	91	85	80	77	83	79	77	82	79	76	81	78	76	75
8	89	82	78	74	88	82	77	74	81	77	74	80	76	74	79	76	73	72
9	87	79	75	72	86	79	75	72	78	74	72	77	74	71	77	73	71	70
10	84	77	73	70	84	77	72	70	76	72	69	75	72	69	75	71	69	68

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POLAR GRAPH



Maximum Candela = 6273.424 Located At Horizontal Angle = 0, Vertical Angle = 0  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180)